

Wisconsin Roads

[Identification Information](#)

[Data Quality Information](#)

[Spatial Data Organization Information](#)

[Spatial Reference Information](#)

[Entity and Attribute Information](#)

[Distribution Information](#)

[Metadata Reference Information](#)

Identification Information

[Section Index](#)

Citation:

Citation Information:

Originator: U.S. Census Bureau

Publication Date: 01/01/2000

Publication Time: Unknown

Title: Wisconsin Roads

Series Information:

Series Name: 2000 TIGER line files

Publication Information:

Publication Place: Madison, WI

Publisher: Office of Land Information Services, Wisconsin Department of Administration

Description:

Abstract:

This data layer is a line shapefile of the public roads in the state derived from the 2000 TIGER Line Files. It is referenced to the Wisconsin Transverse Mercator (WTM) projection system, North American Datum 1983 with the 1991 adjustment (NAD83/91).

Purpose: This data layer is for use in generalized mapping applications. The level of accuracy does not support detailed local analysis. The data layer is intended for use with GIS software.

Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 1/1/2000

Time of Day: Unknown

Currentness Reference: ground condition

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -92.88922

East Bounding Coordinate: -86.764

North Bounding Coordinate: 47.08095

South Bounding Coordinate: 42.4918

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: road

Theme Keyword: highway

Theme Keyword: street

Theme Keyword: interstate

Theme Keyword: freeway

Theme Keyword: transportation

Place:

Place Keyword Thesaurus: None

Place Keyword: Wisconsin

Temporal:

Temporal Keyword Thesaurus: None

Temporal Keyword: 2000

Access Constraints: There are no distribution constraints on this data layer.

Use Constraints: For use at scales no larger than 100,000.

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: Office of Land Information Services, Wisconsin
Department of Administration

Contact Address:

Address Type: mailing address

Address: P.O. Box 1645

City: Madison

State or Province: WI

Postal Code: 53701-1645

Country: USA

Contact Voice Telephone: 608.267.7800

Contact TDD/TTY Telephone: none

Contact Facsimile Telephone: 608.266.5519

Contact Electronic Mail Address: GIS.services@doa.state.wi.us

Hours of Service: 8:00 a.m. to 5:00 p.m. CST

Data Set Credit: Original data from 2000 TIGER Line Files, U.S. Census Bureau

Native Data Set Environment: The data set, wi_roads00, is in ESRI shapefile format on an NT platform with a file size of: 254 MB

Data Quality Information

[Section Index](#)

Attribute Accuracy:

Attribute Accuracy Report:

Lines that comprise county borders may appear as duplicate arc segments. The attributes of these road segments may differ (I.e. the same road segment may have address range information in one county, but not the other).

Logical Consistency Report:

The source ARC/INFO coverages had line topology. No errors were reported upon conversion to shapefiles. Lines that comprise county borders may appear as duplicate arc segments. At a later date the attribute inconsistencies between these duplicate arc segments will be resolved and will appear as a single arc (road segment).

Completeness Report: This data layer does not reflect changes which have occurred after the source date.

Lineage:

Source Information:

Source Citation:

Citation Information:

Originator: U.S. Census Bureau

Publication Date: 1/1/2000

Title: 2000 TIGER line files

Series Information:

Series Name: TIGER Line Files

Publication Information:

Publication Place: Washington DC

Publisher: U.S. Census Bureau

Online Linkage: http://www.census.gov/geo/www/tiger/rd_2ktiger/tlrdmeta.txt

Source Scale Denominator: 100000

Type of Source Media: online

Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 1/1/2000

Source Currentness Reference: 01/01/2000

Process Step:

Process Description:

2000 TIGER line files were downloaded off the U.S. Census Bureau's web site as zipped files. The zipped files were unzipped using PKZIP. The coverages were created through a series of AMLS run on ArcInfo workstation 8.0 on an NT operating system. The original coverages were in decimal degree, with a datum of NAD83. The coverages were reprojected into WTM83/91. The resulting coverages were then appended to form a statewide coverage. In the shapefile, roads along county boundaries may appear as a single road segment with two associated records. At a later date, the discrepancies between the two associated records will be resolved, as well as be reduced to one record per road segment.

Process Date: Spring 2000

Process Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: Office of Land Information Services,
Wisconsin Department of Administration

Contact Address:

Address Type: mailing address

Address: P.O. Box 1645

City: Madison

State or Province: WI

Postal Code: 53701-1645

Country: USA

Contact Voice Telephone: 608.267.7800

Contact TDD/TTY Telephone: none

Contact Facsimile Telephone: 608.266.5519

Contact Electronic Mail Address: GIS.services@doa.state.wi.us

Hours of Service: 8:00 a.m. to 5:00 p.m. CST

Cloud Cover: 0

Spatial Data Organization Information

[Section Index](#)

Direct Spatial Reference Method: Vector

Point and Vector Object Information:

SDTS Terms Description:

SDTS Point and Vector Object Type: Network chain, planar graph

Point and Vector Object Count: 675318

Spatial Reference Information

[Section Index](#)

Horizontal Coordinate System Definition:

Planar:

Map Projection:

Map Projection Name: Transverse Mercator

Transverse Mercator:

Scale Factor at Central Meridian: 0.9996

Longitude of Central Meridian: -90

Latitude of Projection Origin: 0

False Easting: 520000

False Northing: -4480000

Planar Coordinate Information:

Planar Coordinate Encoding Method: Coordinate Pair

Planar Distance Units: meters

Geodetic Model:

Horizontal Datum Name: North American Datum of 1983, with 1991 adjustment

Ellipsoid Name: Geodetic Reference System 80

Semi-major Axis: 6378206

Denominator of Flattening Ratio: 294.9786982

Entity and Attribute Information

[Section Index](#)

Detailed Description:

Entity Type:

Entity Type Label: wi_roads00.dbf

Entity Type Definition: The attribute table of the shapefile, which contains arc attributes

Entity Type Definition Source: Office of Land Information Services, Wisconsin Department of Administration

Attribute:

Attribute Label: Cfcc

Attribute Definition: Census feature class code, which denotes the type of road, such as an interstate with limited access, highways with unlimited access, trails, etc.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Road classes always begin with the letter "A", and the proceeding numbers indicate the type of road (freeway, limited access, etc.)

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Fraddl

Attribute Definition: From address range left: The starting address range number on the left side of the road.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: A number that can be as low as 1.

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Fraddr

Attribute Definition: From address range right: The starting address range number on the right side of the road.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: A number that can be as low as 1.

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Name

Attribute Definition: Name of the road

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Contains the name of the road.

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Prefix

Attribute Definition: Road prefix direction (I.e.: N, S, W, E)

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Street direction: N, S, W, E, NW, SW, etc.

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Roadlabel

Attribute Definition: A field used for labeling roads, created by concatenating the following fields: Prefix, Name, Type, Suffix

Attribute Definition Source: Office of Land Information Services, Wisconsin Department of Administration

Attribute Measurement Frequency: None planned

Attribute:

Attribute Label: Source

Attribute Definition: Identifies the original operation that created the geographic feature and its geometric properties.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: A

Enumerated Domain Value Definition: Updated 1980 GBF/DIME-file

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: B

Enumerated Domain Value Definition: USGS 1:100,000 scale DLG-3 File

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: C

Enumerated Domain Value Definition: Other USGS map

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: J

Enumerated Domain Value Definition: Pre-1990 Census Updates

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: K

Enumerated Domain Value Definition: Post-1990 Census Updates (1990-1994)

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: L

Enumerated Domain Value Definition: Pre-Census 2000 local official updates (1995-Census 2000)

Enumerated Domain Value Definition Source: U.S. Census

Bureau

Enumerated Domain Value: M

Enumerated Domain Value Definition: Pre-Census 2000 field operations (1995-Census 2000)

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: N

Enumerated Domain Value Definition: Pre-census 2000 office update operations (1995-Census 2000)

Enumerated Domain Value Definition Source: U.S. Census Bureau

Enumerated Domain Value: O

Enumerated Domain Value Definition: Post-Census 2000 (2000-2002)

Enumerated Domain Value Definition Source: U.S. Census Bureau

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Suffix

Attribute Definition: Directional suffix (E, W, N, S, SW, etc.)

Attribute Definition Source: U.S. Census Bureau

Attribute Measurement Frequency: None planned

Attribute:

Attribute Label: TLID

Attribute Definition: Tiger Line ID. A unique number assigned to all line segments within TIGER.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Tiger Line IDs (TLIDS) are unique numbers assigned to all TIGER line segments.

Attribute Measurement Frequency: None planned

Attribute:

Attribute Label: Tlidfreq

Attribute Definition: Tiger Line ID Frequency. How many records the same TLID is found -- this is an indicator of road aliases.

Attribute Definition Source: Office of Land Information Services, Wisconsin Department of Administration

Attribute Domain Values:

Range Domain:

Range Domain Minimum: 0 -- There is only one name for this road segment

Range Domain Maximum: 4 -- There are four different names for this road segment

Attribute Measurement Frequency: None planned

Attribute:

Attribute Label: Toaddl

Attribute Definition: To address range left: The ending address range number on the left side of the road.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Must be a number higher than the "from address left," to become an address "range."

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Toaddr

Attribute Definition: To address range right: The ending address range number on the right side of the road.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Must be a number higher than the "from address right," to become an address "range."

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Type

Attribute Definition: Road type (Rd, St, Blvd, etc.)

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: Contains the road type: Rd., St., Ave., etc.

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Zipl

Attribute Definition: Zip left: The zip code on the left side of the road.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: A number representing the zip code

Attribute Measurement Frequency: As needed

Attribute:

Attribute Label: Zipr

Attribute Definition: Zip right: The zip code on the right side of the road.

Attribute Definition Source: U.S. Census Bureau

Attribute Domain Values:

Unrepresentable Domain: A number representing the zip code.

Attribute Measurement Frequency: As needed

Distribution Information

[Section Index](#)

Distributor:

Contact Information:

Contact Organization Primary:

Contact Organization: Office of Land Information Services, Wisconsin
Department of Administration

Contact Address:

Address Type: mailing address

Address: P.O. Box 1645

City: Madison

State or Province: WI

Postal Code: 53701-1645

Country: USA

Contact Voice Telephone: 608.267.7800

Contact TDD/TTY Telephone: none

Contact Facsimile Telephone: 608.266.5519

Contact Electronic Mail Address: GIS.services@doa.state.wi.us

Hours of Service: 8:00 a.m. to 5:00 p.m. CST

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name: Arc View shapefile

File Decompression Technique: None

Fees: \$25 for the CD-ROM plus \$5 shipping and handling (per shipment). The CD contains over 700 shapefiles.

Ordering Instructions: Order by postal mail, e-mail, fax, telephone, or in person. Customer will be billed with the shipment.

Turnaround: Ten business days.

Custom Order Process: Custom requests can be made by phone (608.267.7800).

Technical Prerequisites: Must have a CD reader, must have WinZip or similar utility to "unzip" the shapefiles.

Available Time Period:

Time Period Information:

Single Date/Time:

Calendar Date: 1/12/2000

Time of Day: Unknown

Metadata Reference Information

[Section Index](#)

Metadata Date: 8/13/2001

Metadata Review Date:

Metadata Future Review Date:

Metadata Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: Office of Land Information Services, Wisconsin
Department of Administration

Contact Address:

Address Type: mailing address

Address: P.O. Box 1645

City: Madison

State or Province: WI

Postal Code: 53701-1645

Country: USA

Contact Voice Telephone: 608.267.7800

Contact TDD/TTY Telephone: none

Contact Facsimile Telephone: 608.266.5519

Contact Electronic Mail Address: GIS.services@doa.state.wi.us

Hours of Service: 8:00 a.m. to 5:00 p.m. CST

Metadata Standard Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata Standard Version: FGDC-STD-001-1998

Metadata Time Convention: local time

Metadata Security Information:

Metadata Security Classification: Unclassified

SMMS Metadata report generated 8/16/2001